

FIG. 1

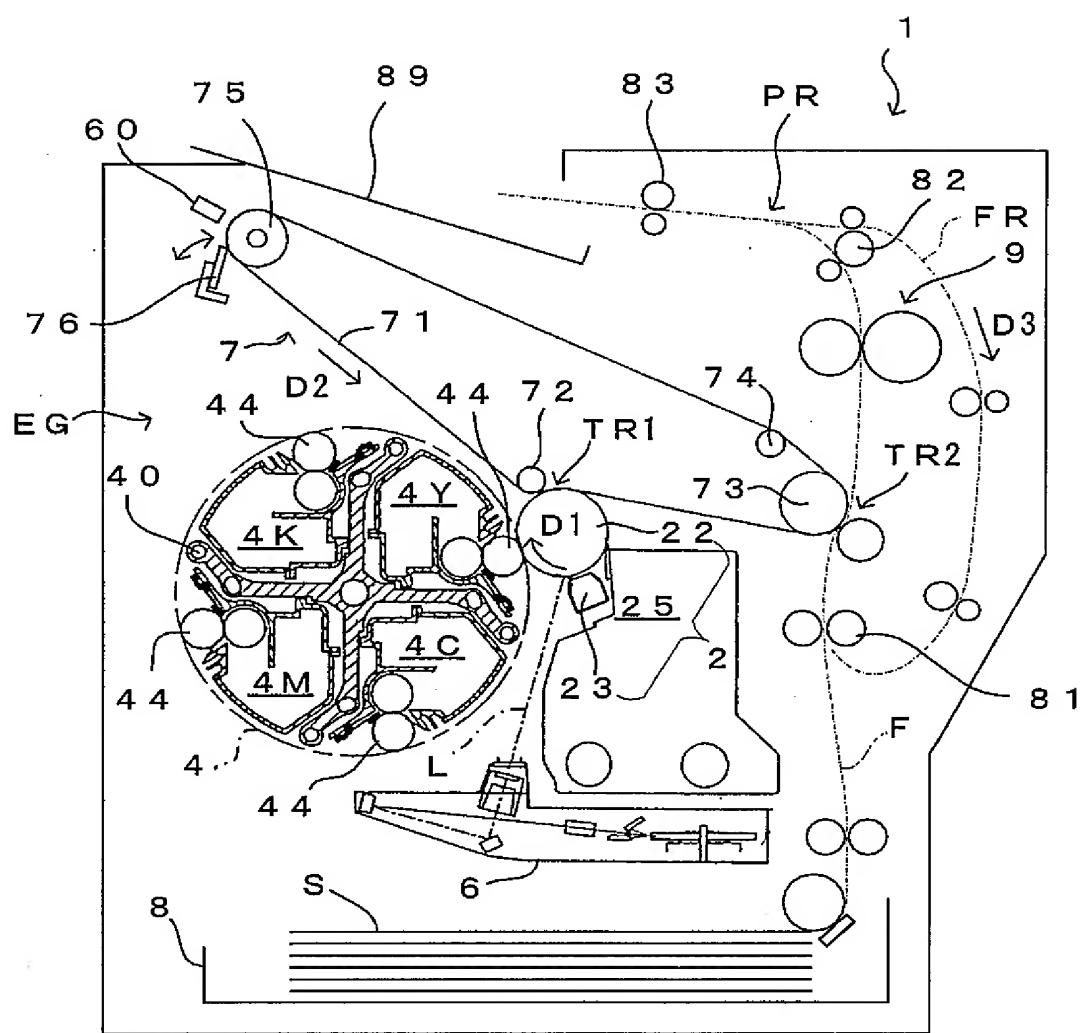


FIG. 2

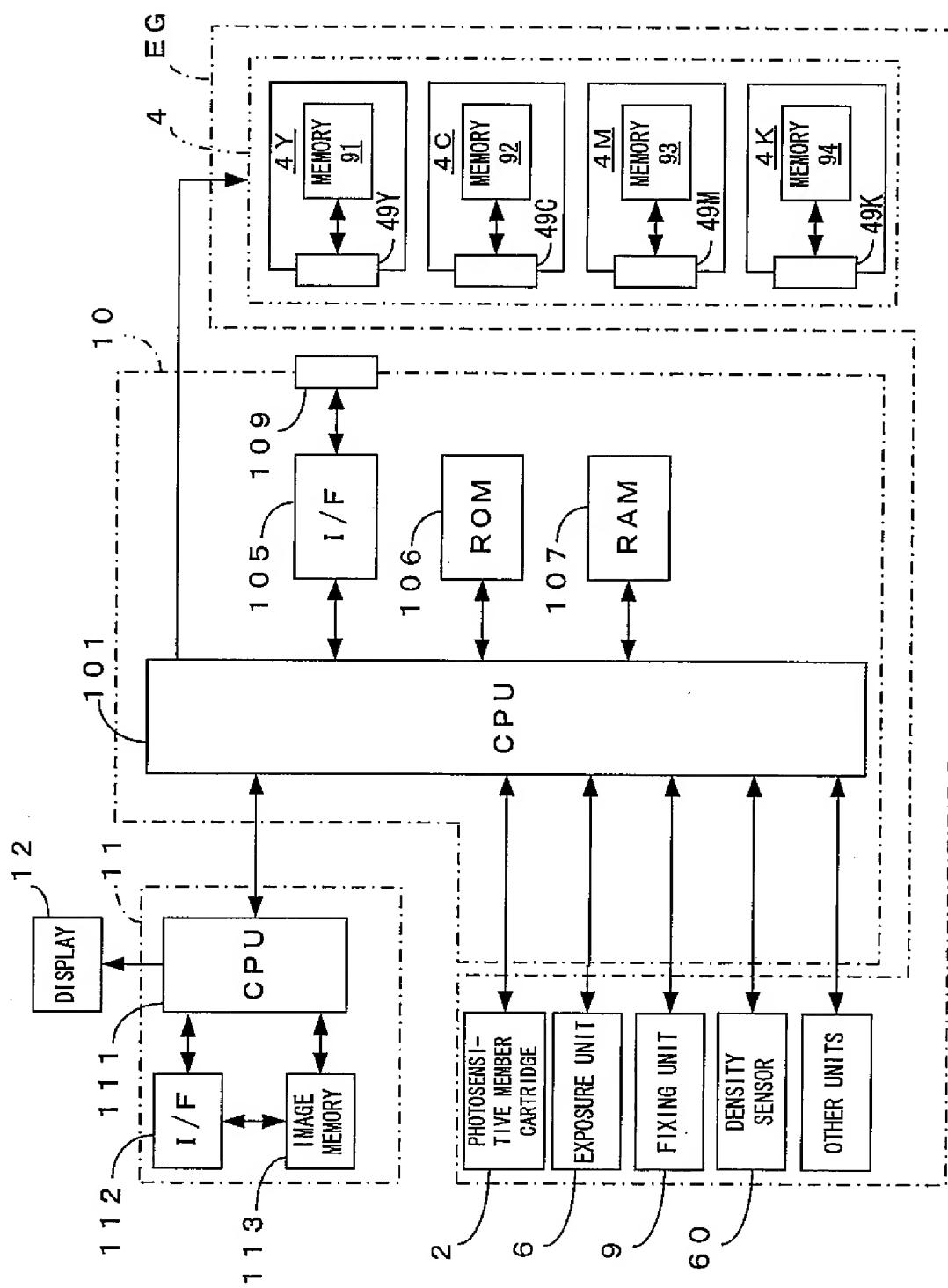
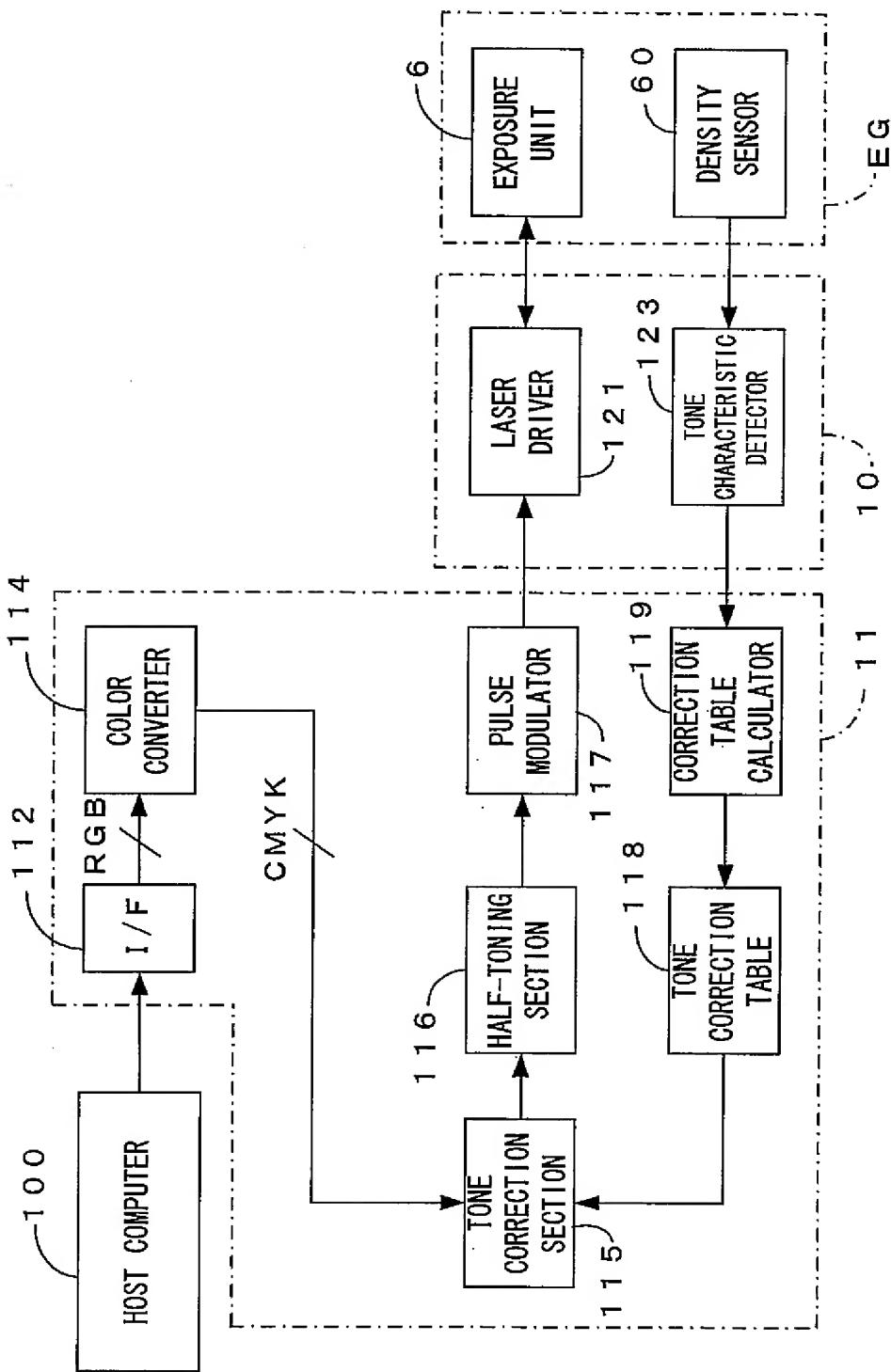


FIG. 3



F I G. 4

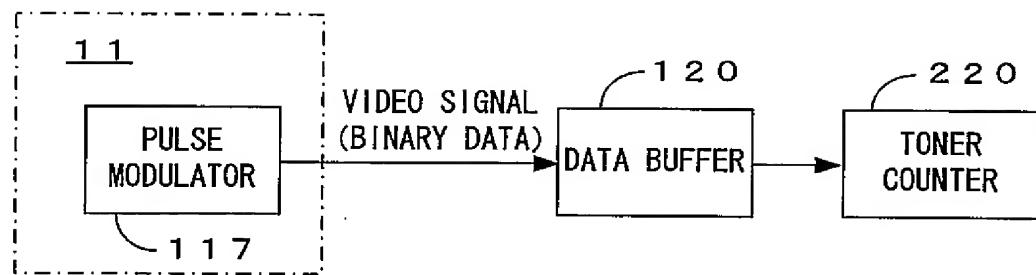


FIG. 5

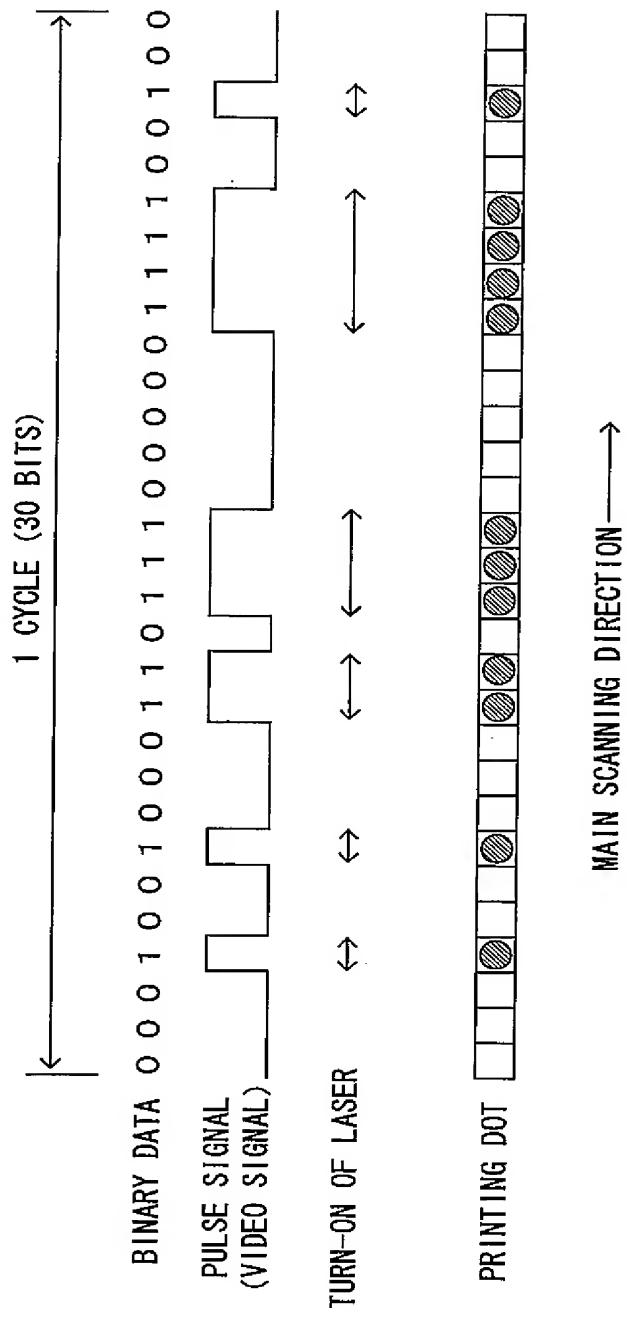


FIG. 6

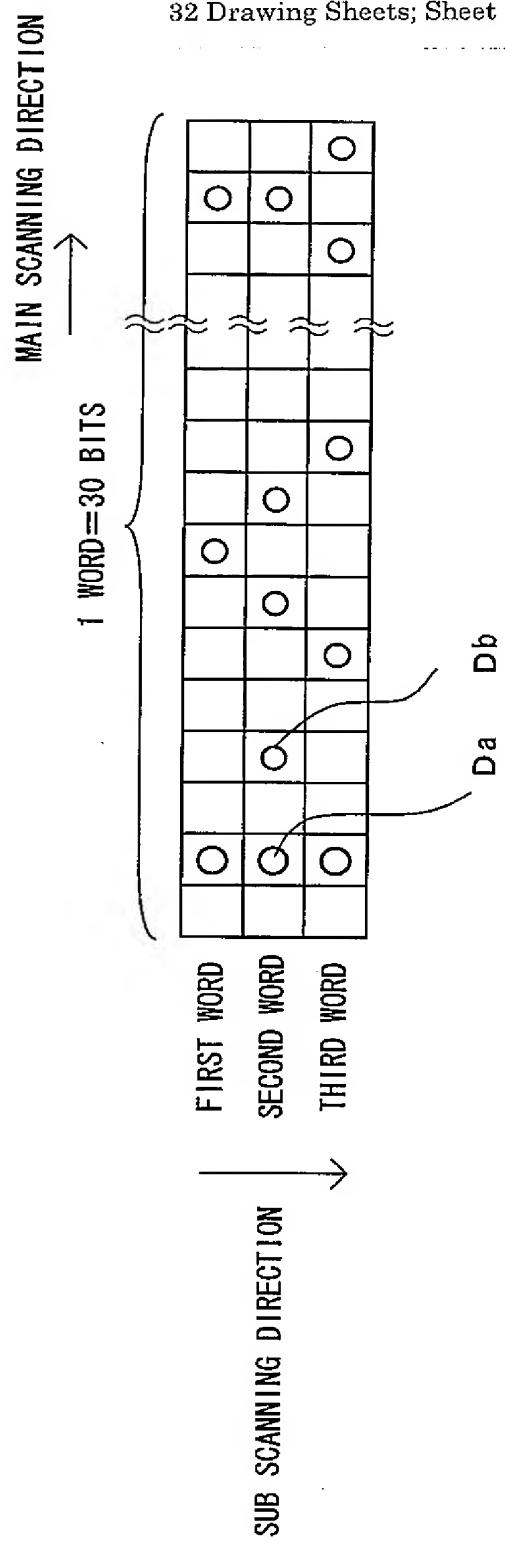
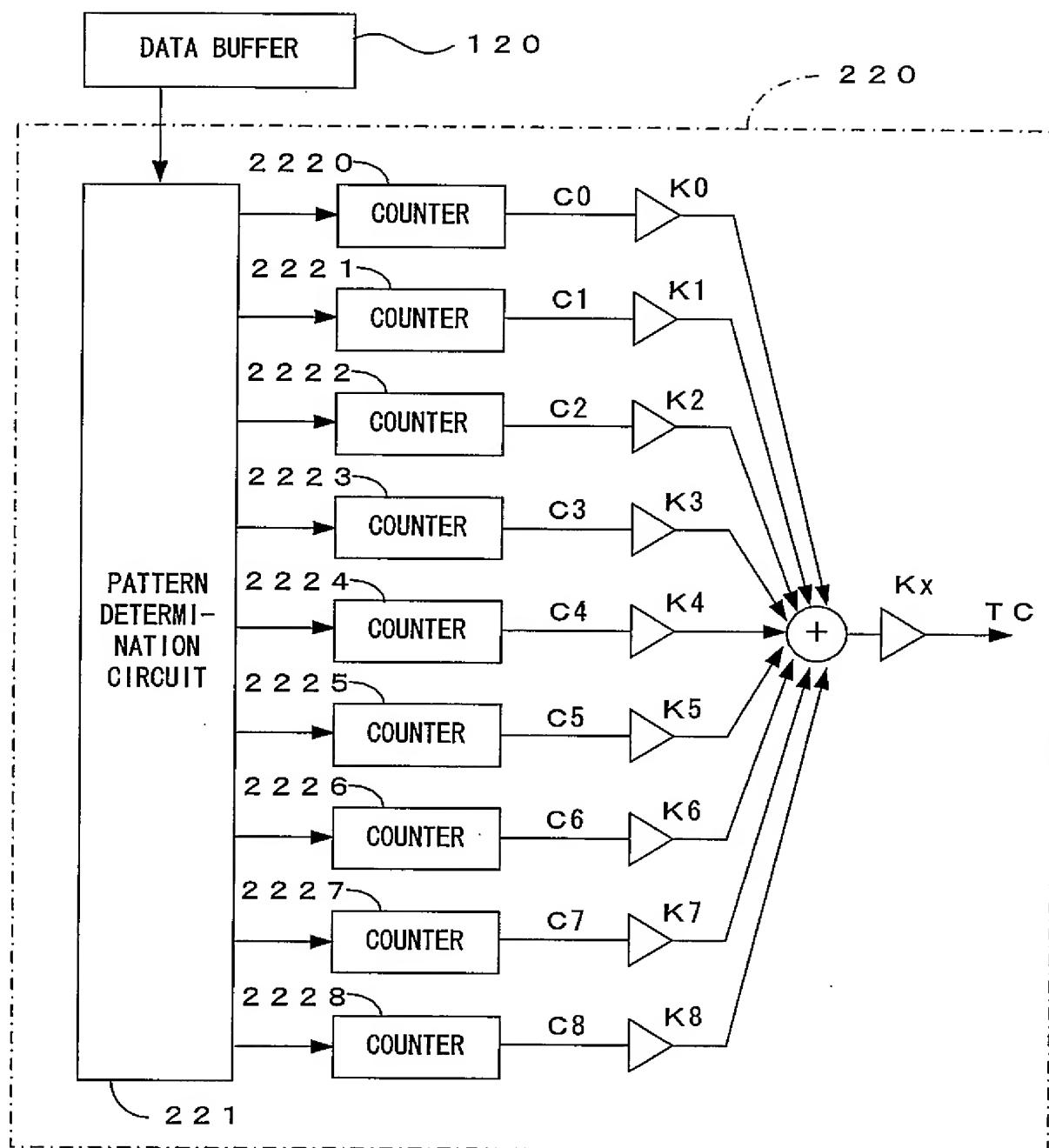


FIG. 7



F I G. 8

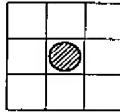
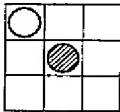
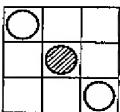
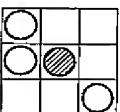
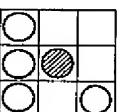
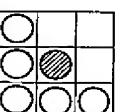
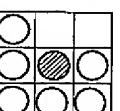
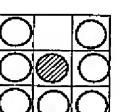
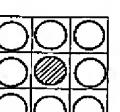
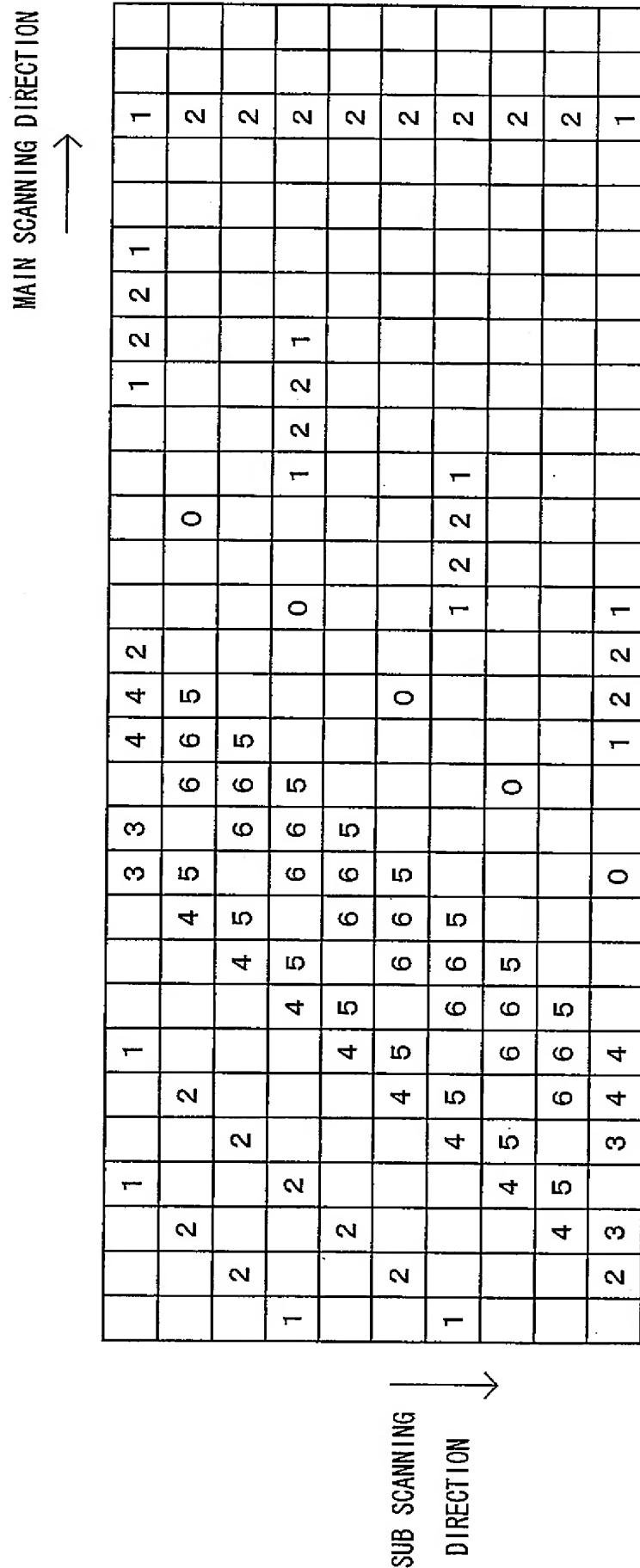
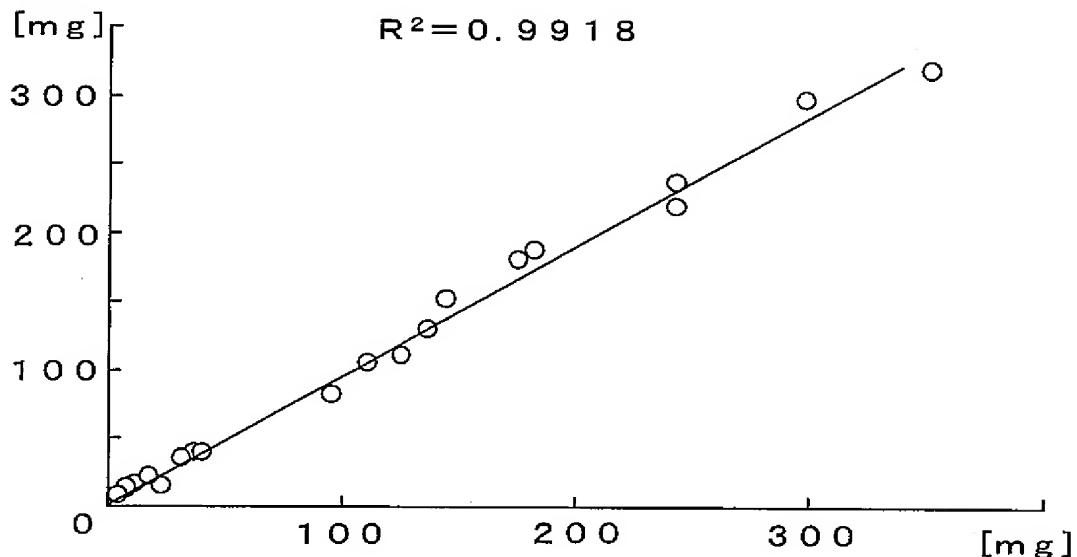
NUMBER OF ADJACENT DOT	EXAMPLE OF IMAGE PATTERN	COEFFICIENT	
		SYMBOL	NUMERIC VALUE
0		K0	0.9
1		K1	1.2
2		K2	1.3
3		K3	1.2
4		K4	1.1
5		K5	1.0
6		K6	0.95
7		K7	0.9
8		K8	0.9

FIG. 9



F I G. 10

TONER CONSUMPTION AMOUNT
(MEASURED VALUE)



TONER CONSUMPTION AMOUNT
(CALCULATED VALUE BY TONER COUNTER)

FIG. 11A

SCREEN A

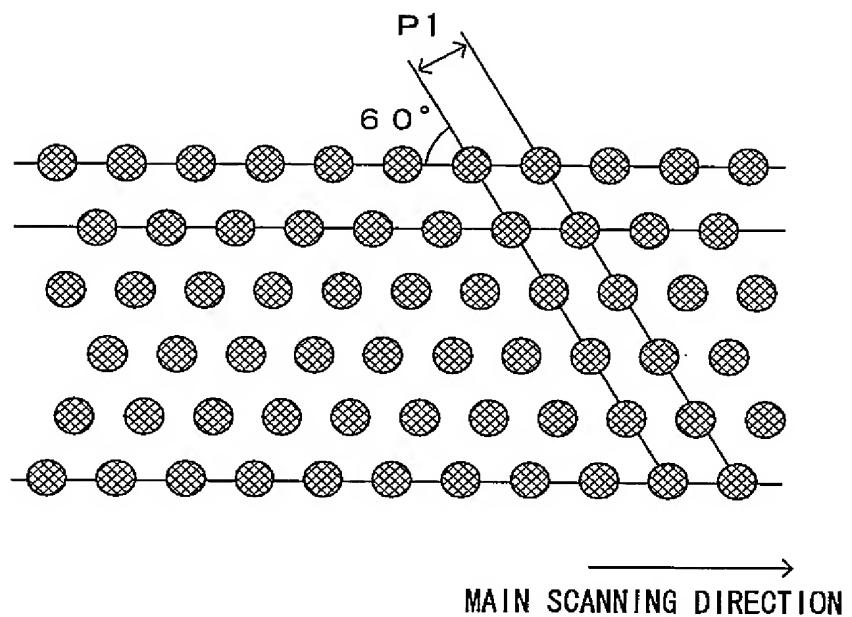
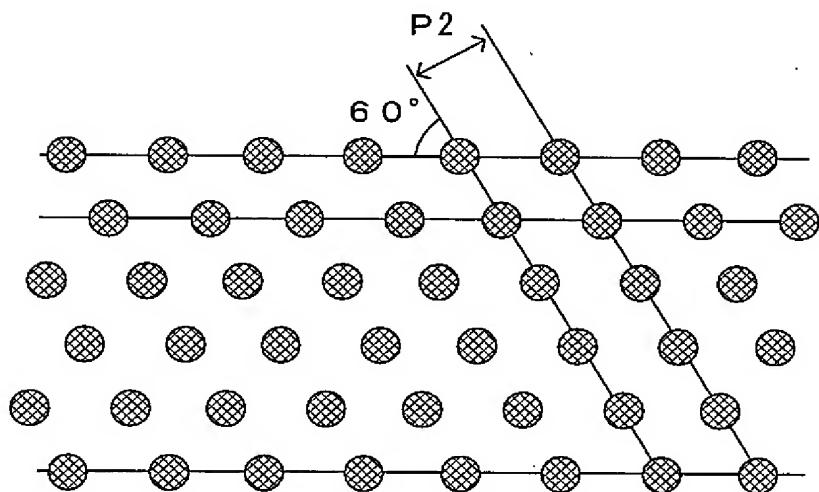


FIG. 11B

SCREEN B



F I G. 12

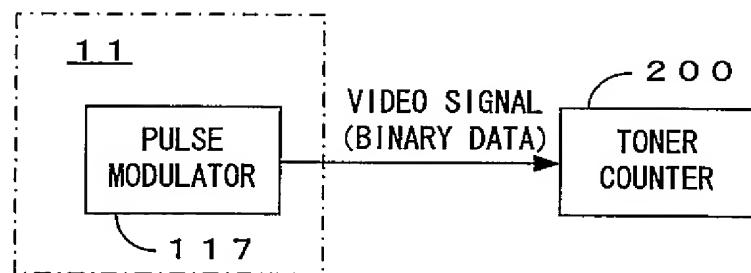


FIG. 13 A SOLID IMAGE ($X=0$)

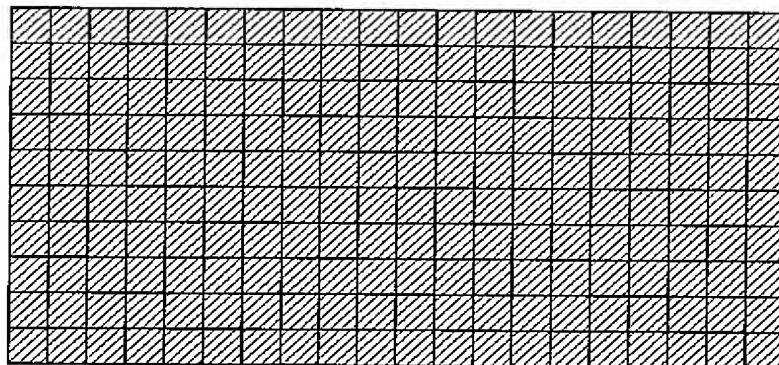


FIG. 13 B 1 ON 1 OFF IMAGE ($X=1$)

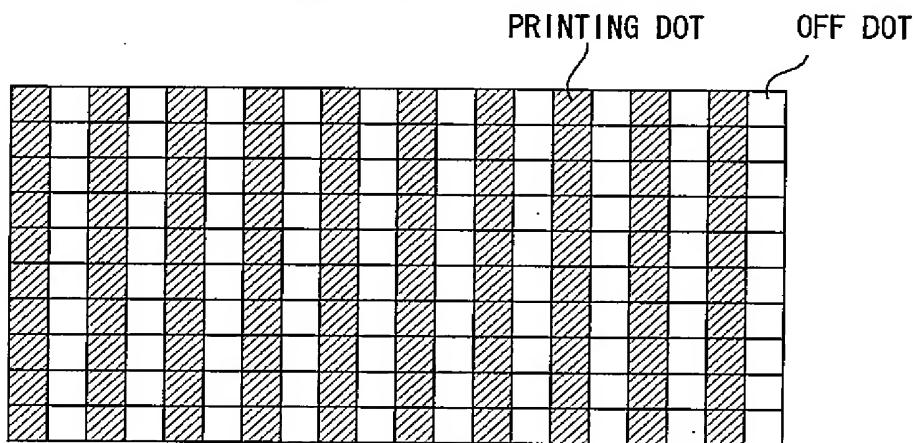


FIG. 13 C 1 ON 2 OFF IMAGE ($X=2$)

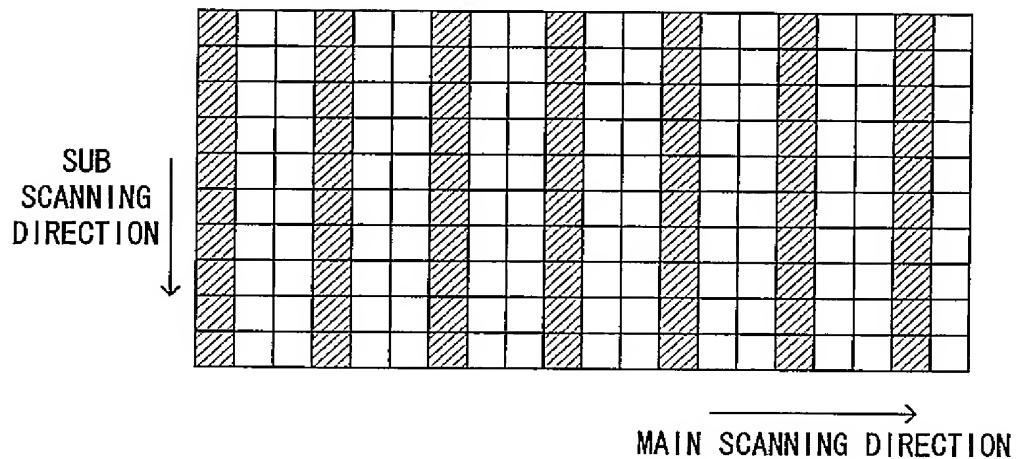
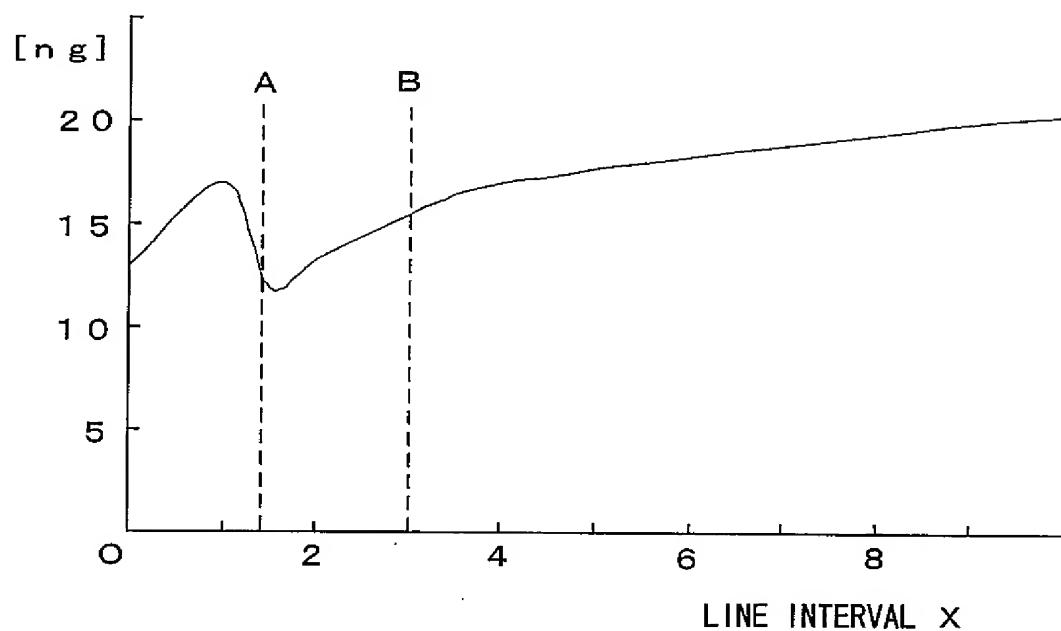


FIG. 14

TONER CONSUMPTION AMOUNT
PER DOT



F I G. 15

TONER CONSUMPTION AMOUNT

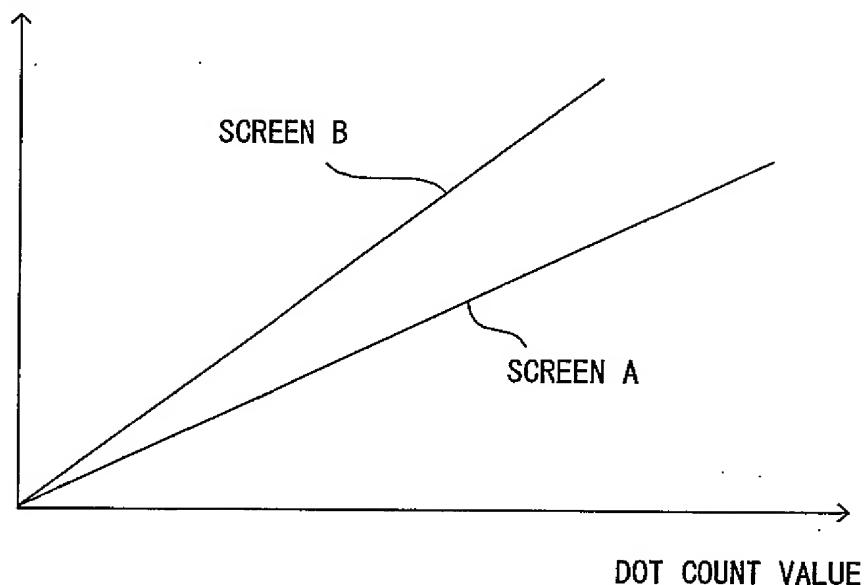
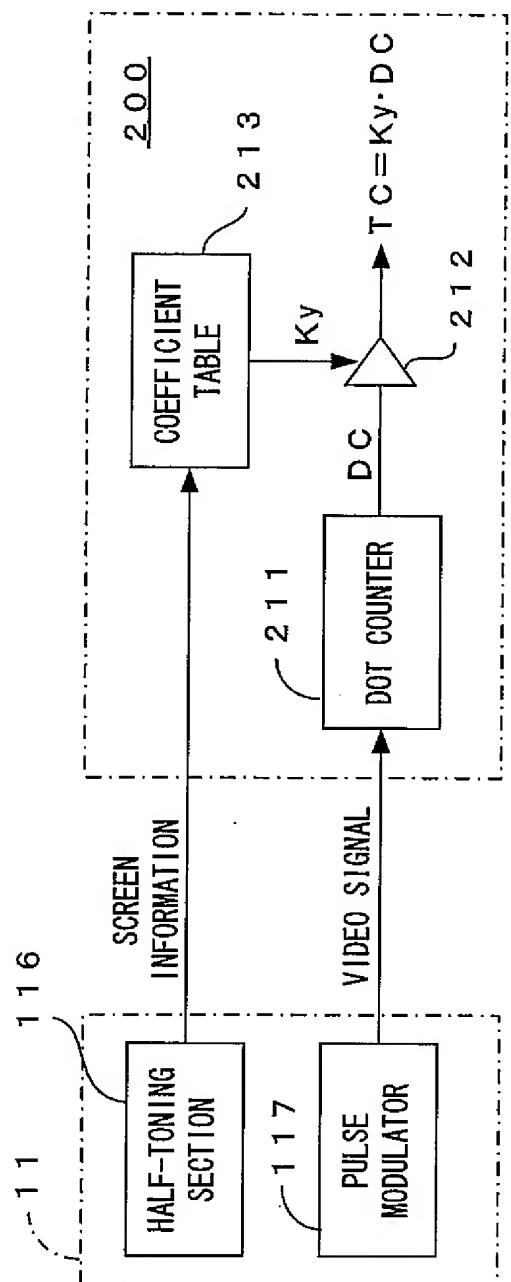


FIG. 16



F I G. 17

S 1

T B

G B

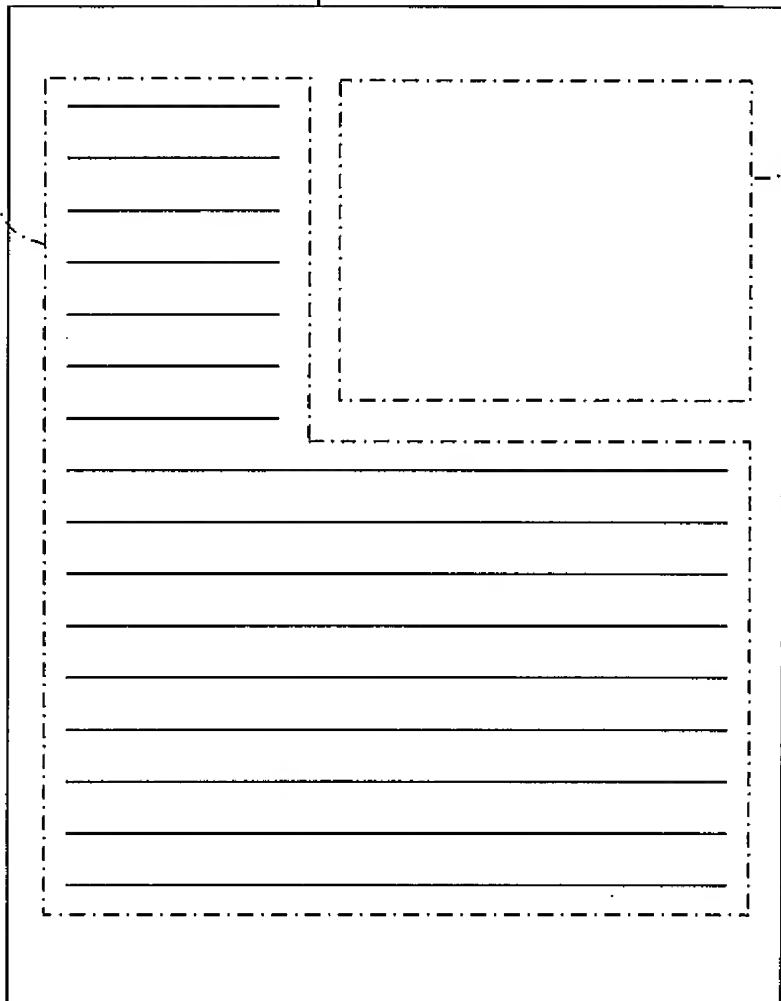


FIG. 18

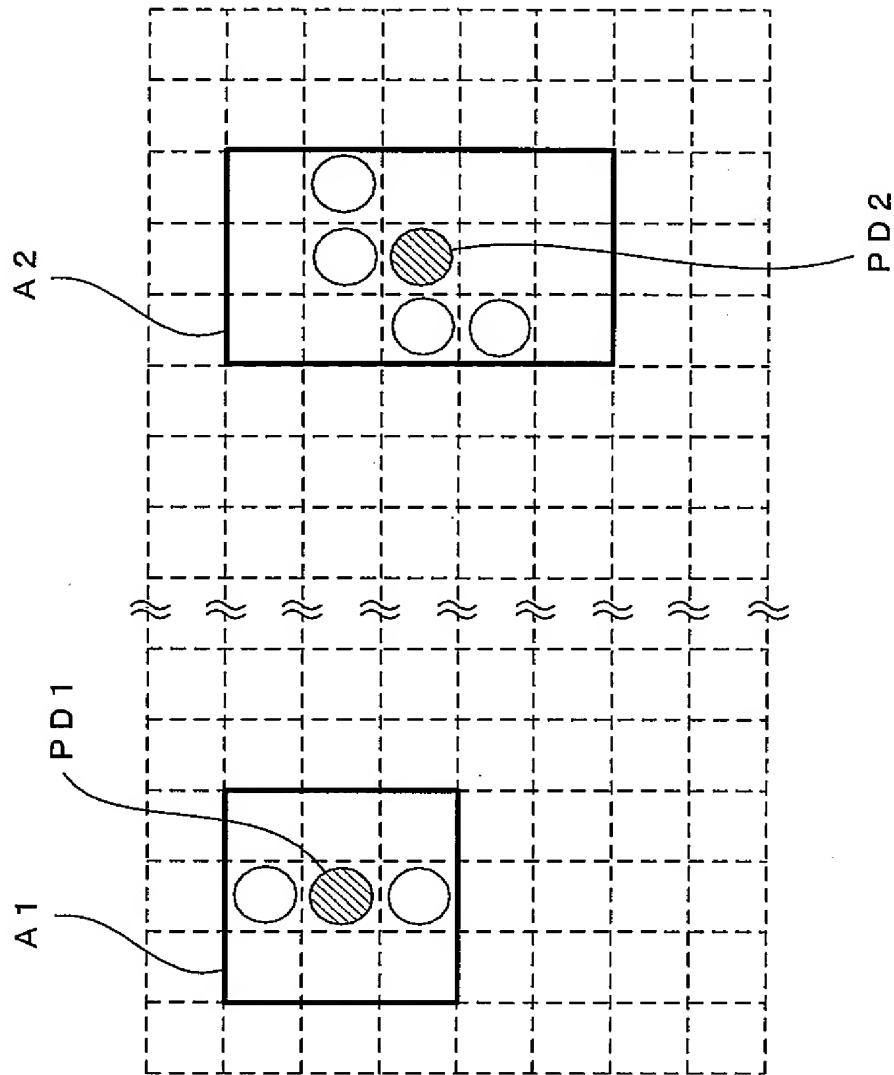


FIG. 19

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NUMBER OF ADJACENT DOT	TONER CONSUMPTION AMOUNT PER DOT
0	M100
1	M101
2	M102
3	M103
4	M104
5	M105
6	M106
7	M107
8	M108

F I G. 2 0

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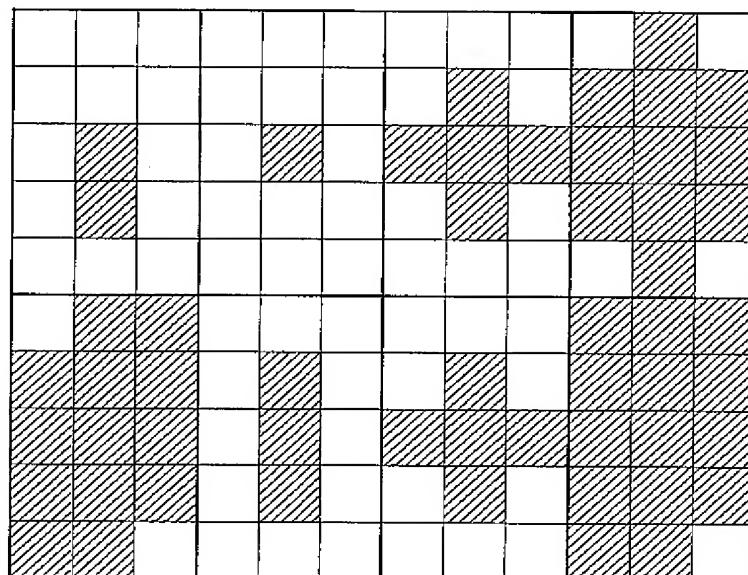
NUMBER OF ADJACENT DOT	TONER CONSUMPTION AMOUNT PER DOT
0	M200
1	M201
2	M202
3	M203
4	M204
5	M205
6	M206
7	M207
8	M208
9	M209
1 0	M210
1 1	M211
1 2	M212
1 3	M213
1 4	M214

FIG. 21

		SIZE OF MATRIX	TABLE
MONOCHROME		3 × 3	FIRST TABLE
COLOR	CYAN YELLOW	3 × 5	SECOND TABLE
	MAGENTA BLACK	3 × 3	FIRST TABLE

F I G. 22

SCREEN FOR CYAN AND YELLOW



SCREEN FOR MAGENTA AND BLACK

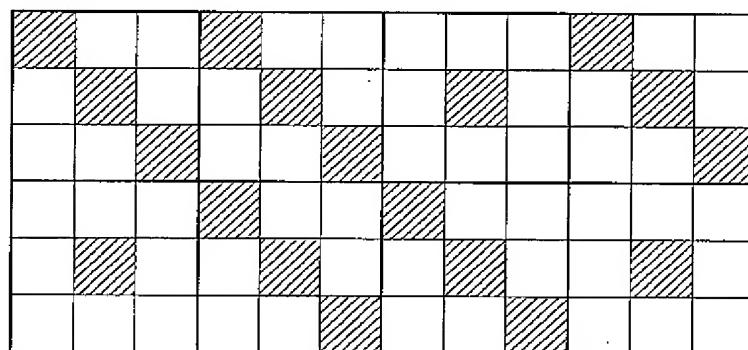


FIG. 23

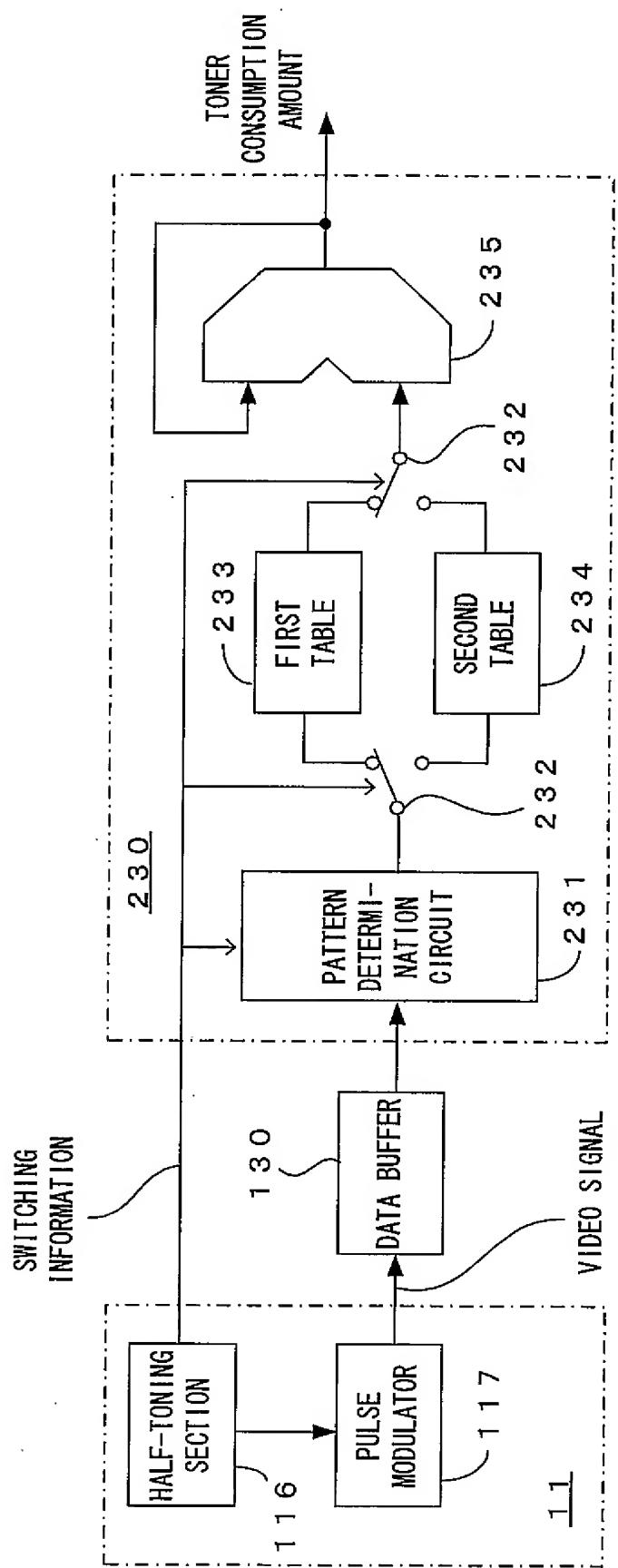
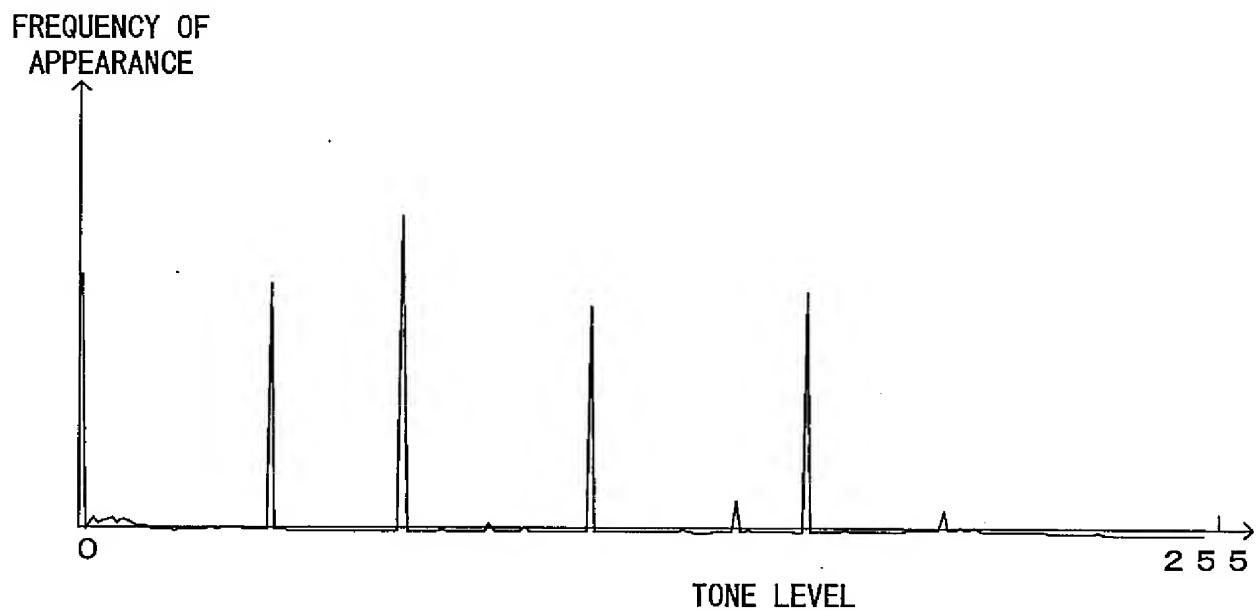
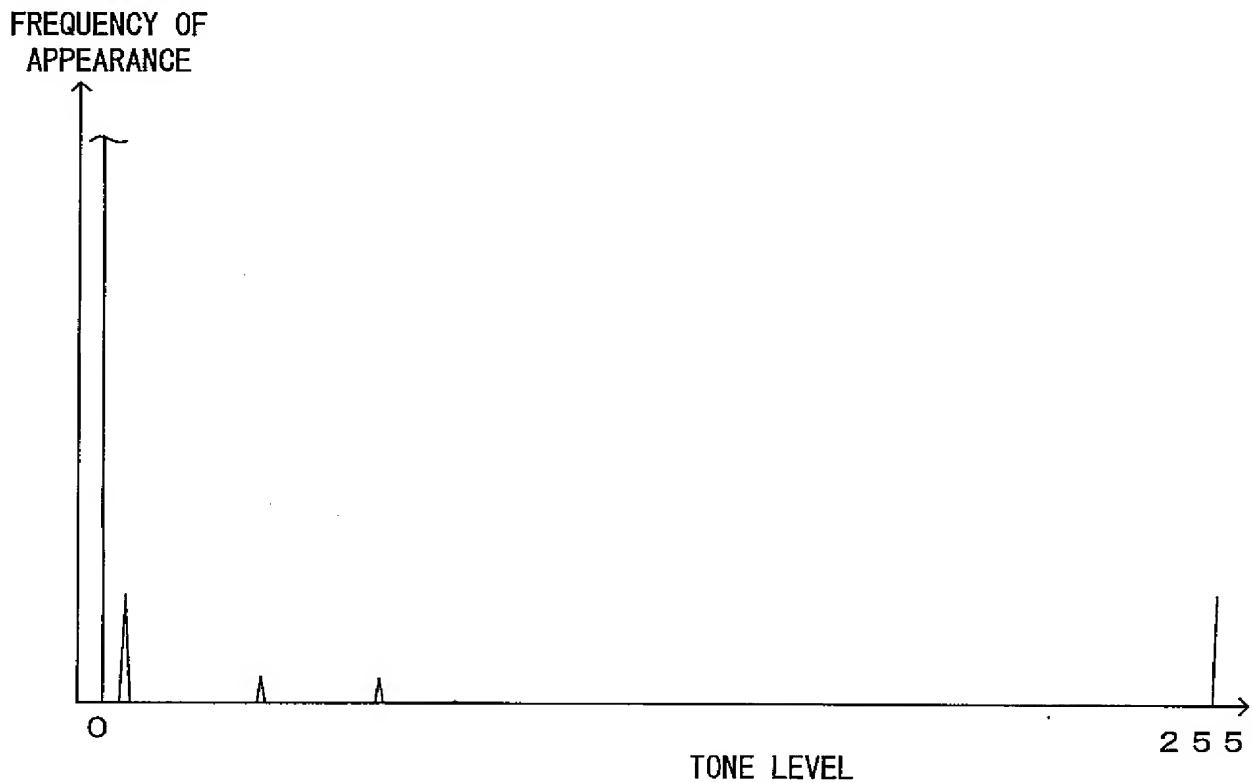


FIG. 24

IN A CASE OF HALFTONE IMAGE

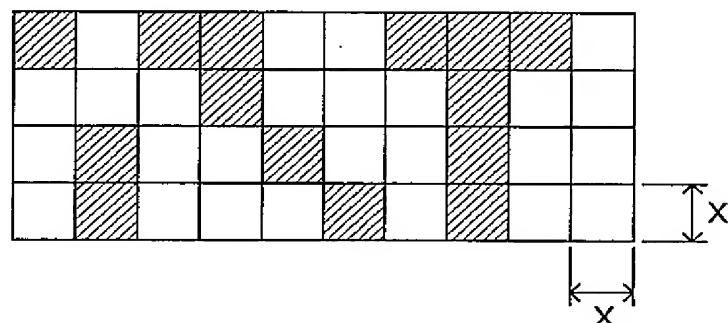


IN A CASE OF LINE-BASED IMAGE



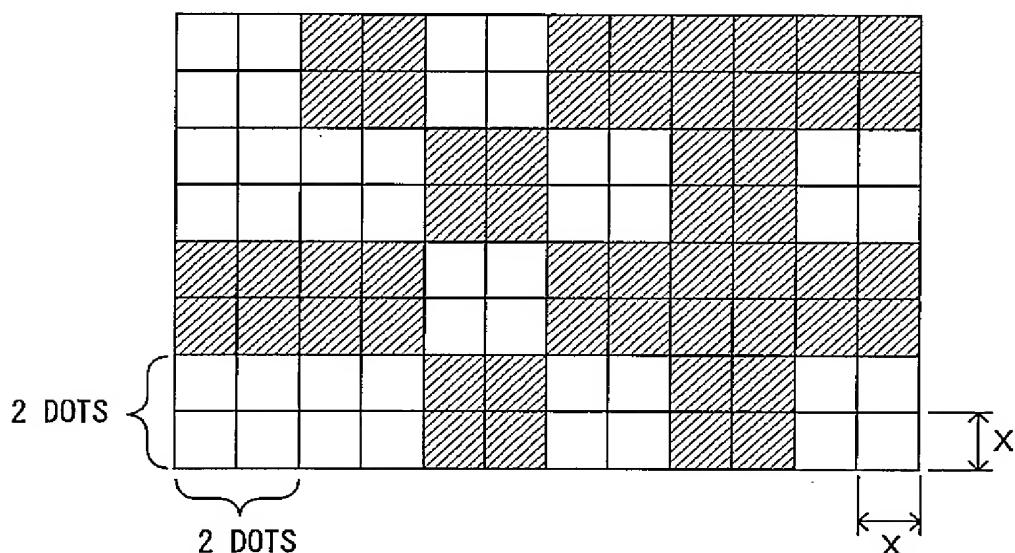
F I G. 25

RESOLUTION OF IMAGE : 600 d.p.i



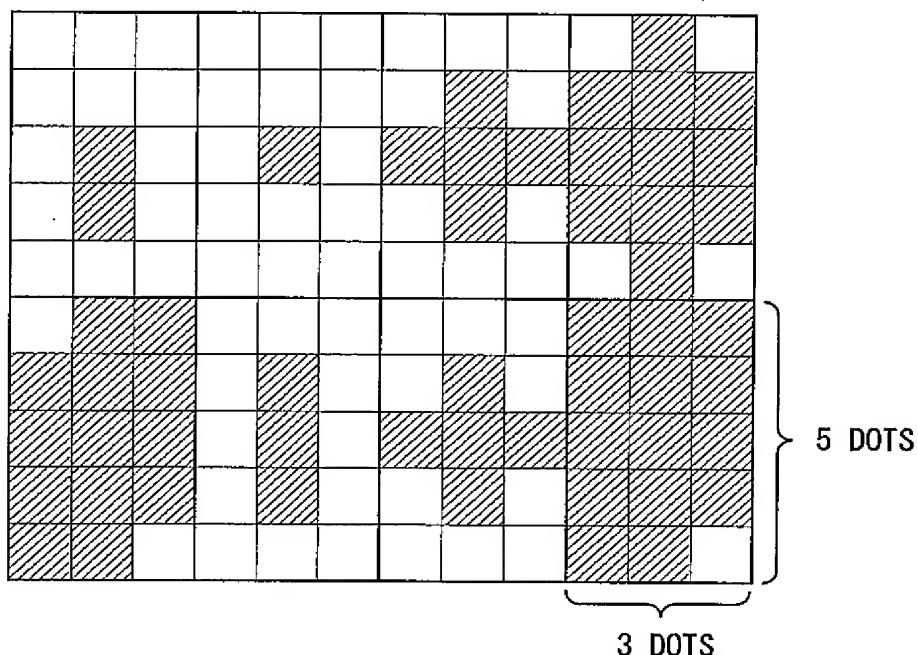
$$X = 1 / 600 \text{ [INCH]}$$

RESOLUTION OF IMAGE : 300 d.p.i



F I G. 26

DOT PATTERN OF CYAN COLOR



DOT PATTERN OF MAGENTA COLOR

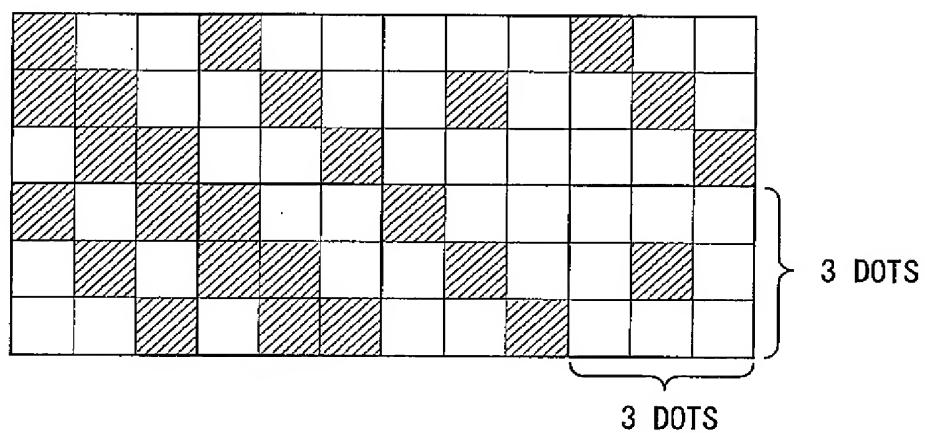
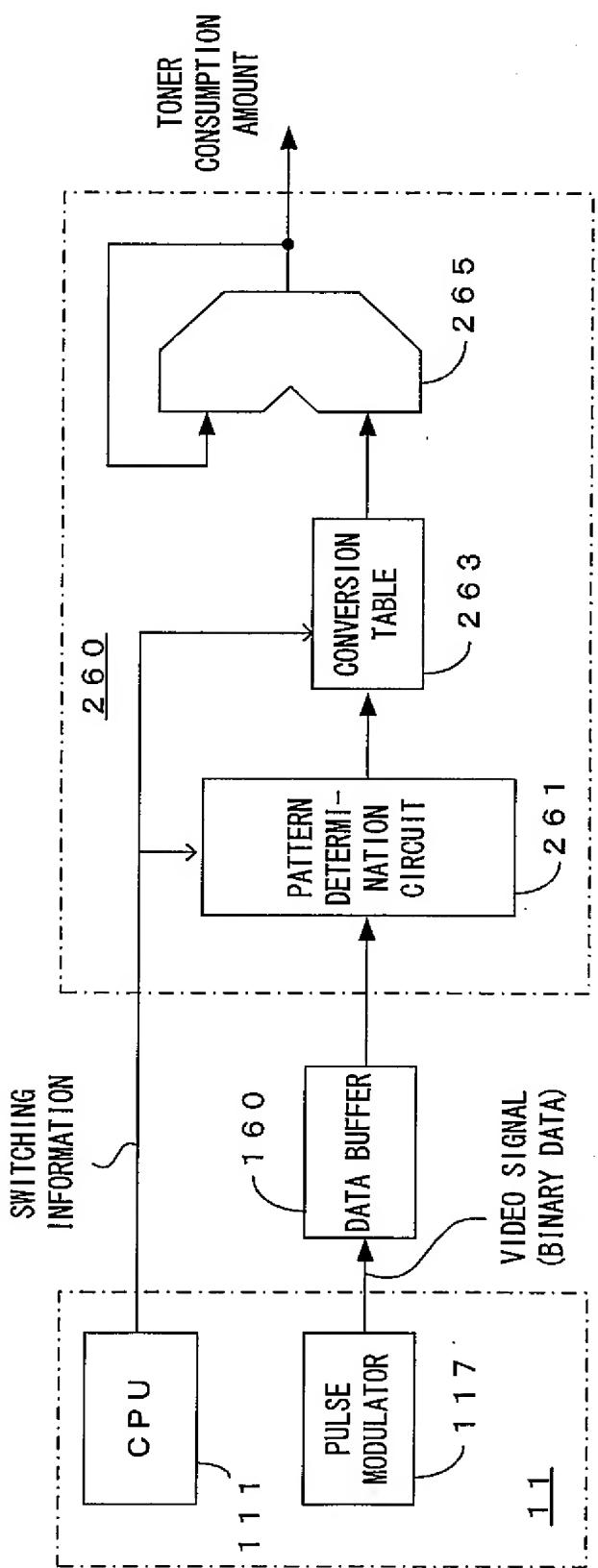
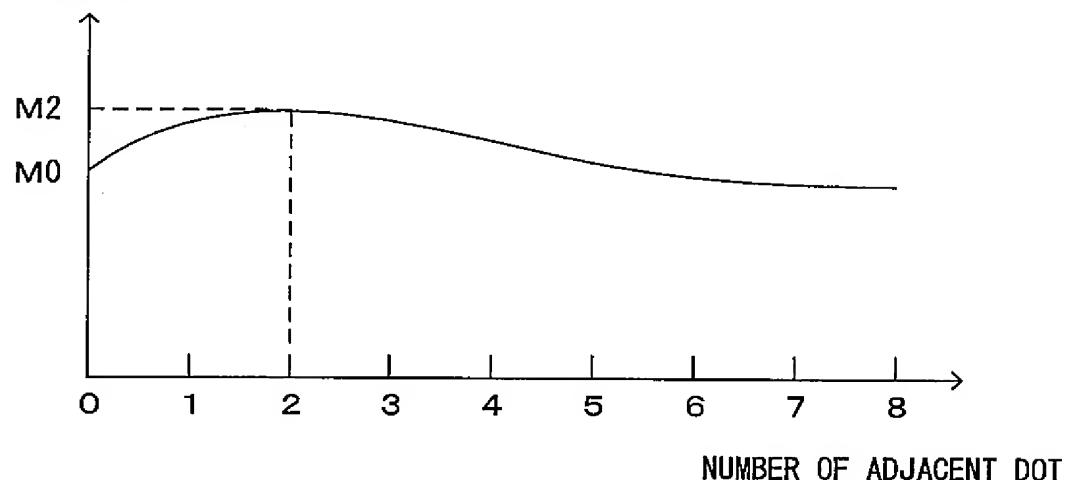


FIG. 27

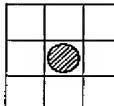
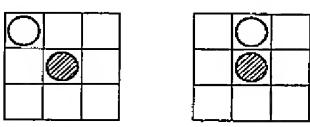
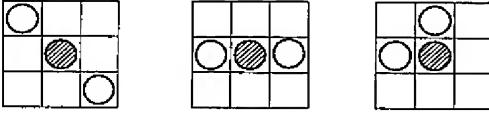
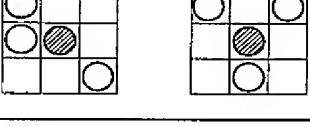
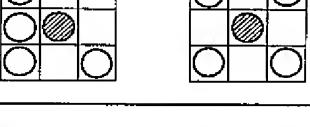
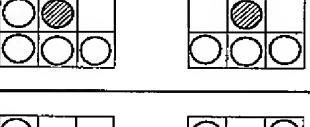
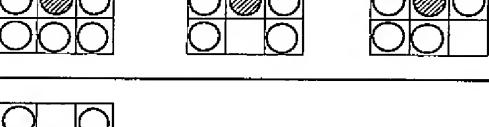
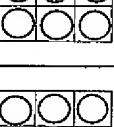
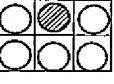


F I G. 28

TONER ADHESION AMOUNT
PER DOT



F I G. 29

NUMBER OF ADJACENT DOT	EXAMPLE OF DOT PATTERN	TONER CONSUMPTION AMOUNT
0		M0
1		M1
2		M2
3		M3
4		M4
5		M5
6		M6
7		M7
8		M8

F I G. 30

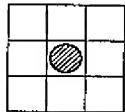
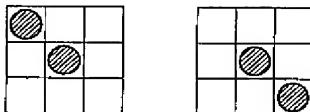
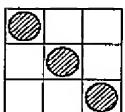
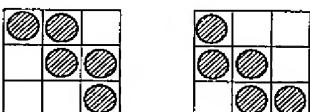
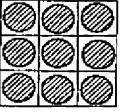
TONER COLOR	PATTERN NUMBER	DOT PATTERN	TONER CONSUMPTION AMOUNT
MAGENTA	0		Mm0
	1		Mm1
	2		Mm2
	3		Mm3
	:		:
	x		Mmx

FIG. 31

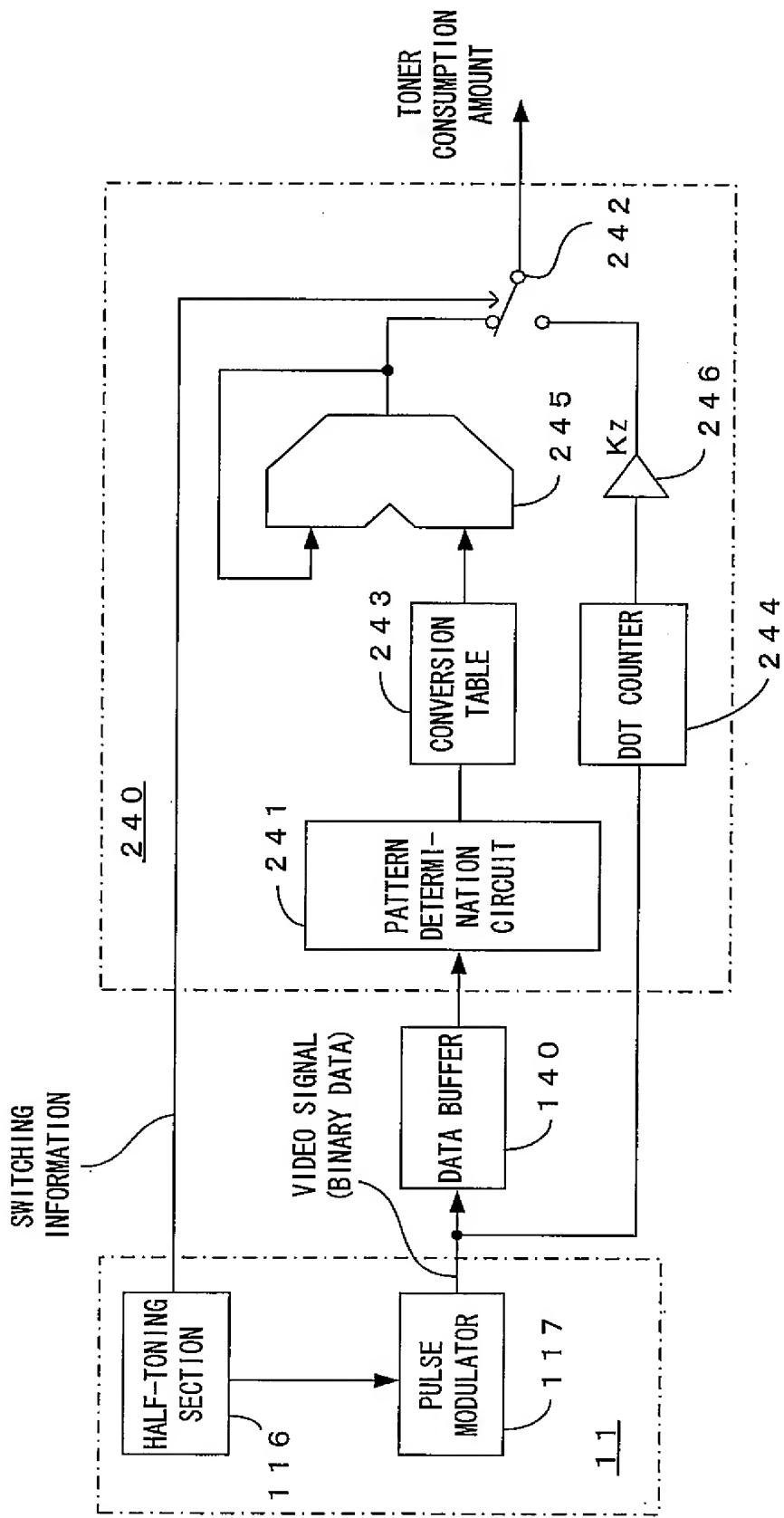


FIG. 32

